PEOPLE on the MOVE

Human Resources reports the following personnel changes:

Key Management Assignments

Steve Campbell was selected as chief, Planning and Integration Office, Center Operations Directorate.

David Birmingham was selected as manager, Space Operations Resources Management Office, Office of the Chief Financial Officer.

Lisa Stephens-Hammond was selected as deputy chief, Life Support and Habitability Systems Branch, Crew and Thermal Systems Division, Engineering Directorate.

Monty Goforth was selected as chief, Laptop Production and Development Branch, Flight Avionics Division, Mission Operations Directorate.

Mark Geyer was selected as manager, Program Integration Office, International Space Station Program Office.

Tracy Minish was selected as chief, Reconfiguration and System Engineering Branch, Flight Avionics Division, Mission Operations Directorate.

Jeff Bertsch was selected as chief, Flight Design Requirements and Integration Office, Flight Design and Dynamics Division, Mission Operations Directorate.

Additions to the Workforce

Kevin Lee joins the Biomedical Hardware Development and Engineering Office, Engineering Directorate, as a project engineer.

Raymond Aronoff joins the Manufacturing Integration and Technology Branch, Manufacturing, Materials, and Process Technology Division, Engineering Directorate, as a project engineer.

Peter Spidaliere joins the Space Shuttle Program Office as a space shuttle development manager.

Troy Whitney joins the Shuttle Training Support Branch, Aircraft Operations Division, Flight Crew Operations Directorate, as an electrical engineer.

Promotions

Jessica Miller was selected as a contracting officer in the Institutional Procurement Office, Office of Procurement.

Reassignments Between Directorates

Walt Marker moves from the Space and Life Sciences Directorate to the Office of the Chief Information Officer.

Carolyn Fritz moves from the Mission Operations Directorate to the Engineering Directorate.

Sabbir Hossain moves from the International Space Station Program Office to the Engineering Directorate.

Rick Weller moves from the Office of the Chief Information Officer to the Engineering Directorate.

Jay Wright moves from the International Space Station Program Office to the Engineering Directorate.

Marcia Kerr moves from the Engineering Directorate to the Space Shuttle Program Office.

Ken Martindale moves from the Office of Procurement to the International Space Station Program Office.

John Uri moves from the Space and Life Sciences Directorate to the International Space Station Program Office.

Reassignments Between Centers

Eddie Zavala of the Mission Operations Directorate moves to Dryden Flight Research Facility.

Retirements

John Aaron of the Engineering Directorate.
William Renegar of the Engineering Directorate.
Vicki Nisbet of the Human Resources Office.

Resignations

Pat McKee of the Mission Operations Directorate.
Brenda Moulton of the Mission Operations Directorate.
Philippe DeJour of the Engineering Directorate.
David Adlis of the International Space Station Program Office.
Mike Demasie of the EVA Project Office.

DATES & DATA

May 14

Scientific meeting: The 71st Aerospace Medical Association Annual Scientific Meeting takes place at the Westin Galleria & Oaks through May 18. The event, titled *New Horizons in Aviation and Space Medicine*, features seminars ranging from accident investigation to clinical and operational space medicine. There also will be an astronaut panel and lectures from former NASA Flight Director Eugene Kranz, Director of Space and Life Sciences Dave Williams and former JSC Project Officer and former AsMA president Dr. Stanley White. For registration and information visit www.asma.org or contact Dr. Paul Stoner at X39648.

May 17

Astronomy seminar: The JSC Astronomy Seminar Club meets at noon May 17, 24 and 31 in Bldg. 31, Rm. 248A. For more information contact Al Jackson at x35037.

Scuba club meets: The Lunarfins meets at 7:30 p.m. For more information contact Mike Manering at x32618.

Spaceteam Toastmasters meet: The Spaceteam Toastmasters meets at 11:30 a.m. May 17, 24 and 31 at United Space Alliance, 600 Gemini. For more information contact Patricia Blackwell at (281) 280-6863.

May 18

Communicators meet: The Clear Lake Communicators, a Toastmasters International club, meets May 18 and 25 at 11:30 a.m. at Wyle Laboratories, 1100 Hercules, Suite 305. For more information contact Richard Lehman at (281) 280-6557.

Directors meet: The Space Family Education board of directors meets at 11:30 a.m. in Bldg. 45, Rm. 712D. For more information contact Lynn Buquo at x34716.

May 19

Book review: Tommy Holloway, NASA International Space Station manager, moderates the National Management Association's book club meeting reviewing *The 7 Levels of Change: The Guide to Innovation in the World's Largest Corporations*. The club meets at 11 a.m. at the Gilruth dining room. Lunch will be provided free to NMA members or $7 for non-members. Please contact Karen Black at (281) 483-3001 by May 12 to RSVP.

May 24

Robotics Workshop: AIAA Houston section hosts *Robotic Helpers for Space Explorers*, a free automation and robotics workshop at the Gilruth Center at 8 a.m. Presentation followed by a panel discussion and a luncheon at noon. Event is free but advance registration is required by May 16. Lunch costs $7.50. Contact Sheryl at (281) 483-8243.

INNOVATIONS 2000: Various technical societies (AIAA, IEEE, ISA, etc.) lead an afternoon of technical sessions covering a wide range of industries and disciplines. Event will be at the Gilruth Center beginning with a luncheon at noon, presentations at 1:15 p.m. and reception at 3:35 p.m. Advance registration is required by May 16. Conference fee is $5. Lunch is $7.50. For more information contact Sheryl at (281) 483-8243.

May 25

Radio Club meets: The JSC Amateur Radio Club meets at 6:30 p.m. at Piccadilly, 2465 Bay Area Blvd. For more information contact Larry Dietrich at x39198.

June 6

Quality Society meets: The Bay Area Section of the American Society for Quality meets at 6 p.m. at the Ramada King's Inn on NASA Road 1. For details contact Ann Dorris at x38620.

NASA BRIEFS

NASA DEVELOPS A DRILL FOR THE FUTURE

It's an invention that may eventually end up in the hands of every craftsman and orthopedic surgeon.

Scientists at NASA's Jet Propulsion Laboratory, together with engineers from Cybersonics, Inc., Erie, Pennsylvania, have developed an ultrasonic device that can drill and core very hard rocks and also has medical applications.

Potential medical uses include extracting pacemaker leads and the drilling necessary during surgical or diagnostic procedures involving the human skeletal structure. Future space missions could include drilling for samples using lightweight landers with robotic arms and small rovers that roam the surface of an asteroid or planet.

"The drill is an ultrasonic device that offers exciting new capabilities for space exploration in future NASA missions," said Dr. Yoseph Bar-Cohen, who leads JPL's Nondestructive Evaluation and Advanced Actuator Technologies unit. "Besides the immediate benefits of the technology to NASA, it is paving the way for other unique ultrasonic mechanisms that are being developed in our laboratory and elsewhere. Such devices can be made to be small and lightweight, to consume little power and to exhibit a high standard of reliability."

The drill is driven by piezoelectric actuators, which have only two moving parts but no gears or motors.

NASA TECHNOLOGY STRIPS SHIPS OF LOOSE CHIPS

A new robotic device that safely strips paint from the hulls of ships without polluting the environment is based on NASA robotics technology.

The system, which has received kudos from environmentalist and undersea explorer Jean-Michel Cousteau, could revolutionize paint removal in the shipping industry. Current sandblasting methods potentially can contaminate waters surrounding harbors.

The new system consists of an automated robotic device that is magnetized to the ship, a set of high-pressure jet streams, and a controller that helps the robot navigate along the surface of the ship. The water is filtered and then reused, while the paint residue is collected in a container and can then be disposed of safely. Using this method, no toxic dust or paint flakes are generated to pollute nearby areas or to be inhaled by system operators.

SPACE CENTER Roundup

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